

# Petalodontiformes



Teeth of *Petalodus ohioensis*

**Petalodontiformes** ("thin-plate teeth") is an extinct order of marine cartilaginous fish related to modern day chimaera found in what is now the United States of America and Europe.<sup>[1]</sup>

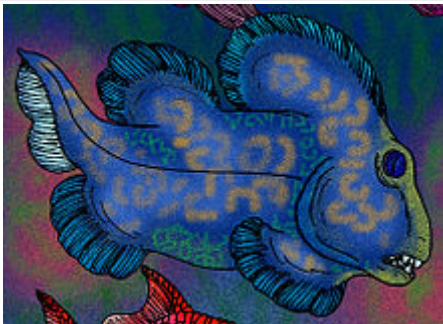

Most species are known only from isolated teeth.<sup>[1][2]</sup> All fossils range from the

Carboniferous to the Permian, where they are presumed to have died out during the Permian/Triassic extinction event.<sup>[1]</sup>

The two best known species are *Belantsea montana*, from the Carboniferous Bear Gulch, Montana, and *Janassa bituminosa*, from the upper Permian of Europe, as whole fossil specimens have been found of these two.

## References

- Lund, Richard, E. D. Grogan, and M. Fath. "On the relationships of the Petalodontiformes (Chondrichthyes)." *Paleontological Journal* 48.9 (2014): 1015-1029.
- Dalla Vecchia, Fabio Marco, and Museo Paleontologico Cittadino. "A new petalodont tooth (Chondrichthyes, Petalodontiformes) from the Lower Permian of the Carnic Alps (Friuli, NE Italy)." *Bollettino della Società Paleontologica Italiana* 39 (2000): 225-228.

Petalodontiformes										
Temporal range:										
Lower Carboniferous–Permian										
PreЄ	Є	O	S	D	C	P	T	J	K	PgN
										
<i>Belantsea montana</i>										
Scientific classification 										
Kingdom:		Animalia								
Phylum:		Chordata								
Class:		Chondrichthyes								
Subclass:		Holocephali								
Order:		†Petalodontiformes								
		Zangerl, 1981								
Families										
<div><ul style="list-style-type: none"><li>■ Janassidae</li><li>■ Pristodontidae</li><li>■ Petalodontidae</li><li>■ Belantseidae</li></ul></div>										

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